DETAILED ACTION

EXAMINER'S AMENDMENT

1.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided

by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be

submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Attorney Steven duBois on July 6, 2010. Discussed including the limitations of

claim 2 into independent claim 1 and including the limitatiions of claim 10 into

independent claim 10. Applicant agreed and authorized the changes throughout the

claims.

Claims 2 and 10 have been canceled.

As per claims 1 and 9, please insert the following amendments.

In claim 1, line 4, "packet,;" has been replaced by --packet;--

In claim 1, line 14, "the size of the data portions" has been replaced by

--the size of the data portions;

wherein there are two sizes of memory location in the first memory arranged in

two said blocks, one of a size to receive data portions of a first size and the other of a

size to receive data portions of a second size, the second size being larger than the first

size, and wherein data portions that are too large to be stored in a single memory block

are stored as linked lists in a plurality of blocks with pointers pointing to the next block --

In claim 9, line 14, "the size of the data portions" has been replaced by

--the size of the data portions;

wherein there are two sizes of memory location in the first memory arranged in

two said blocks, one of a size to receive data portions of a first size and the other of a

size to receive data portions of a second size, the second size being larger than the first

size, and wherein data portions that are too large to be stored in a single memory block

are stored as linked lists in a plurality of blocks with pointers pointing to the next block

but without any pointers pointing from one data portion to the next data portion of the

packet - -.

Allowable Subject Matter

2.   The following is an examiner's statement of reasons for allowance:

3.   The prior art fails to disclose or fairly suggest the combination of generating from

each said data packet a record portion of predetermined fixed size and containing

information about the packet; storing only data portions of said packets in independent

memory locations in a first memory; storing only the record portions in one or more

managed queues in a second memory having fixed size memory locations equal in size

to the size of the record portions; wherein the first memory is larger than the second

memory; and the memory locations in the first memory are arranged in blocks having a

plurality of different sizes and the memory locations are allocated to the data portions

according to the size of the data portions; wherein there are two sizes of memory

location in the first memory arranged in two the blocks, one of a size to receive data

portions of a first size and the other of a size to receive data portions of a second size,

the second size being larger than the first size, and wherein data portions that are too

large to be stored in a single memory block are stored as linked lists in a plurality of

blocks with pointers pointing to the next block.

Conclusion

4.   Other closer prior art made of record are Branstad et al. (US 6181705 B1) and

Janoska et al. (US 2002/0066000 A1).

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to ABDULLAH RIYAMI whose telephone number is

(571)270-3119. The examiner can normally be reached on Monday through Thursday

8am-5pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Aung Moe can be reached on (571) 272-7314. The fax phone number for

the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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published applications may be obtained from either Private PAIR or Public PAIR.

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USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Aung S. Moe/   /Abdullah Riyami/
Supervisory Patent Examiner, Art Unit 2474   Examiner, Art Unit 2474